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- 1 [Physically-based glare effects for digital images](#)  
 Greg Spencer, Peter Shirley, Kurt Zimmerman, Donald P. Greenberg  
 September 1995 **SIGGRAPH '95**: Proceedings of the 22nd annual conference on Computer graphics and interactive techniques

**Publisher:** ACM [Request Permissions](#)

Full text available: [Pdf](#) (2.18 MB)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 66, Downloads (Overall): 1131, Citation Count: 25

**Keywords:** bloom, flare, glare, lenticular halo, vision

- 2 [Mediazine - a combination of television, radio, WWW, telecommunication and 3D computer sound and graphics](#)  
 Norbert Schuffner, Hartmut Gredes

September 2000 **CVE '00**: Proceedings of the third international conference on Collaborative virtual environments

**Publisher:** ACM [Request Permissions](#)

Full text available: [Pdf](#) (1.45 MB)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 10, Downloads (Overall): 296, Citation Count: 0

The Mediazine is a distributed interactive multimedia magazine for the Internet including text, applications, image live audio, live-video, animations, 3D computer graphics. Users and Actors can interactively meet each other in a shared virtual environment ...

**Keywords:** collaborative virtual workspace, cooperation, multimedia streams, software agents

- 3 [Hanging on the wire: a field study of an audio-only media space](#)

Mark S. Ackerman, Brian Starr, Debby Hindus, Scott D. Mainwaring

March 1997

**Transactions on Computer-Human Interaction (TOCHI)**, Volume 4 Issue 1

**Publisher:** ACM [Request Permissions](#)

Full text available: [Pdf](#) (259.98 KB)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 36, Downloads (Overall): 1522, Citation Count: 35

The primary focus of this article is an analysis of an audio-only media space from a computer-supported cooperation work (CSCW) perspective. To explore whether audio by itself is suitable for shared media systems, we studied a workgroup using an audio-only ...

**Keywords:** CMC, CSCW, audio, audio spaces, computer-mediated communication, computer-supported cooperation work, electronic social spaces, media spaces, mediated communication, norms, privacy, rich interactions, social interactions, social presence, speech interactions, telepresence

- 4 [Pilot Comments From the Boeing High Speed Research Aircraft, Cycle 3, Simulation Study of the Effects of Aeroservoelasticity \(LaRC 3\)](#)

Editor Melvin L. Bailey

July 2000 Pilot Comments From the Boeing High Speed Research Aircraft, Cycle 3, Simulation Study of the Effects of Aeroservoelasticity (LaRC 3)

**Publisher:** NASA Langley Technical Report Server



Full text available: [Pdf](#) (1.20 MB)

**Bibliometrics:** Downloads (6 Weeks): , Downloads (12 Months): 2, Downloads (Overall): 39, Citation Count: 0


This is a compilation of pilot comments from the Boeing High Speed Research Aircraft, Cycle 3, simulation study (LaRC 3) of the effects of aeroservoelasticity, conducted from October to December 1997 at NASA Langley Research Center. This simulation study ...

- 5 [The contribution of Information and Communication Technology \(ICT\) to language learning environments: the mystery of the secret agent](#)  
[Edith Esch, Christoph Záhner](#)  
 May 2000 **ReCALL** , Volume 12 Issue 1  
**Publisher:** Cambridge University Press  
**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 2


In this paper, E. Esch and C. Záhner argue that the learners themselves are the key agents in the construction of new language learning environments. Learners differ in their ability to import new elements – such as ICTs – into their ...

- 6 [Emancipated pixels: real-world graphics in the luminous room](#)  
[John Underkoffler, Brygg Ullmar, Hiroshi Ishii](#)  
 July 1999 **SIGGRAPH '99**: Proceedings of the 26th annual conference on Computer graphics and interactive techniques  
**Publisher:** ACM Press/Addison-Wesley Publishing Co.  [Request Permissions](#)  
 Full text available:  [Pdf](#) (613.18 KB)  
**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 69, Downloads (Overall): 876, Citation Count: 59

**Keywords:** CAD, architectural space, computer vision, luminous-tangible interfaces, projection, real-world graph

- 7 [Failure Modes and Effects Analysis \(FMEA\) - A Bibliography](#)  
[Program NASA Scientific and Technical Information](#)  
 July 2000 Failure Modes and Effects Analysis (FMEA) - A Bibliography  
**Publisher:** NASA Langley Technical Report Server  
 Full text available:  [Pdf](#) (988.69 KB)  
**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 54, Downloads (Overall): 3320, Citation Count: 0

Failure modes and effects analysis (FMEA) is a bottom-up analytical process that identifies process hazards, which helps managers understand vulnerabilities of systems, as well as assess and mitigate risk. It is one of several engineering tools and techniques ...

- 8 [Knowledge Mining With Vxinsight: Discovery Through Interaction](#)  
[George S. Davidson, Bruce Hendrickson, David K. Johnson, Charles E. Meyers, Brian N. Wylie](#)  
 November 1998 **Journal of Intelligent Information Systems** , Volume 11 Issue 3  
**Publisher:** Kluwer Academic Publishers  
 Full text available:  [Publisher Site](#)  
**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 2


The explosive growth in the availability of information is overwhelming traditional information management systems. Although individual pieces of information have become easy to find, the larger context in which they exist has become harder to track. ...

**Keywords:** browsing, graphical user interface, information retrieval, information visualization

- 9 [Information retrieval on the web](#)  
 [Mai Kokavashi, Koichi Takeda](#)  
 June 2000 **Computing Surveys (CSUR)** , Volume 32 Issue 2  
**Publisher:** ACM  [Request Permissions](#)  
 Full text available:  [Pdf](#) (213.89 KB)  
**Bibliometrics:** Downloads (6 Weeks): 74, Downloads (12 Months): 628, Downloads (Overall): 17447, Citation Count: 2

In this paper we review studies of the growth of the Internet and technologies that are useful for information search and retrieval on the Web. We present data on the Internet from several different sources, e.g., current as well as projected number ...

**Keywords:** Internet, World Wide Web, clustering, indexing, information retrieval, knowledge management, search engine

- 10 [Development of Stitched, Braided and Woven Composite Structures in the ACT Program and at Langley Research Center \(1985 to 1997\) Summary and Bibliography](#)  
[Dow Marvin B., Dexter H. Renson](#)  
 November 1997 Development of Stitched, Braided and Woven Composite Structures in the ACT Program and at Langley Research Center (1985 to 1997) Summary and Bibliography  
**Publisher:** NASA Langley Technical Report Server  
 Full text available:  [Pdf](#) (1.73 MB)  
**Bibliometrics:** Downloads (6 Weeks): , Downloads (12 Months): 1, Downloads (Overall): 915, Citation Count: 0

Summary results are presented from the research conducted on woven, braided, knitted and stitched (textile) composites at the Langley Research Center and under the NASA Advanced Composites Technology (ACT) Program the period from 1985 to 1997. The ...

**11** [Navigating hierarchically clustered networks through fisheye and full-zoom methods](#)

[Doug Schaffer](#), [Zhengping Zuo](#), [Saul Greenberg](#), [Lyn Bartram](#), [John Dill](#), [Shelli Dubs](#), [Mark Roseman](#)

June 1996

**Transactions on Computer-Human Interaction (TOCHI)** , Volume 3 Issue 2

**Publisher:** ACM [Request Permissions](#)

Full text available: [PDF](#) (305.99 KB)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 80, Downloads (Overall): 2278, Citation Count: 66

Many information structures are represented as two-dimensional networks (connected graphs) of links and nodes. Because these networks tend to be large and quite complex, people often prefer to view part or all of the network varying levels of detail. ...

**Keywords:** data acquisition, fisheye views, hierarchically clustered graphs, information visualization, supervisor control

**12** [A study of blind drawing practice: creating graphical information without the visual channel](#)

[Hesham M. Kamel](#), [James A. Landay](#)

November 2000

**Assets '00:** Proceedings of the fourth international ACM conference on Assistive technology

**Publisher:** ACM [Request Permissions](#)

Full text available: [PDF](#) (3.56 MB)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 58, Downloads (Overall): 928, Citation Count: 10

**Keywords:** GUIs for blind users, contextual inquiry, feedback, grid, non-visual drawing tools

**13** [Hypertext Transfer Protocol -- HTTP/1.1](#)

[R. Fielding](#), [J. Gettys](#), [J. Mogul](#), [H. Frystyk](#), [L. Masinter](#), [P. Leach](#), [T. Berners-Lee](#)

June 1999

Hypertext Transfer Protocol -- HTTP/1.1

**Publisher:** RFC Editor

Full text available: [Text](#) (422.28 KB)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 20, Downloads (Overall): 221, Citation Count: 262

The Hypertext Transfer Protocol (HTTP) is an application-level protocol for distributed, collaborative, hypermedia information systems. It is a generic, stateless, protocol which can be used for many tasks beyond its use for hypertext, such as name ...

**14** [A robust framework for content-based retrieval by spatial similarity in image databases](#)

[Essam A. El-Kwae](#), [Mansur B. Kabuka](#)

April 1999

**Transactions on Information Systems (TOIS)** , Volume 17 Issue 2

**Publisher:** ACM [Request Permissions](#)

Full text available: [PDF](#) (274.25 KB)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 37, Downloads (Overall): 1405, Citation Count: 23

A framework for retrieving images by spatial similarity (FRISS) in image databases is presented. In this framework a robust retrieval by spatial similarity (RSS) algorithm is defined as one that incorporates both directional and topological spatial ...

**Keywords:** content-based retrieval, image databases, multimedia databases, query formulation, retrieval mode similarity retrieval, spatial similarity

**15** [A perspective of generative reuse](#)

[Ted J. Biggerstaff](#)

January 1998

**Annals of Software Engineering** , Volume 5


**Publisher:** J. C. Baltzer AG, Science Publishers

Full text available: [Publisher Site](#)


**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 1

This paper presents a perspective of generative reuse technologies as they have evolved over the last 15 years and a discussion of how generative reuse addresses some key reuse problems. Over that time period, a number of different ...

**16** [Data models in geographic information systems](#)


 [Shashi Shekhar](#), [Mark Coyte](#), [Sraresh Goyal](#), [Qun-Ben Liu](#), [Shyamsunder Sarker](#)  
April 1997 **Communications of the ACM** , Volume 40 Issue 4

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (186.52 KB)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 121, Downloads (Overall): 2416, Citation Count:

**17** [A foundation for representing and querying moving objects](#)

 [Ralf Hartmut Güting](#), [Michael H. Böhlen](#), [Martin Erwig](#), [Christian S. Jensen](#), [Nikos A. Lorentzos](#), [Markus Schneider](#),  
[Michalis Vazirgiannis](#)  
March 2000 **Transactions on Database Systems (TODS)** , Volume 25 Issue 1

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (268.05 KB)

**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 154, Downloads (Overall): 1894, Citation Count:

Spatio-temporal databases deal with geometries changing over time. The goal of our work is to provide a DBMS model and query language capable of handling such time-dependent geometries, including those changing continuously that describe moving ...


**Keywords:** abstract data types, algebra, moving objects, moving point, moving region, spatio-temporal data ty  
spatio-temporal databases

**18** [Graphical editing by example](#)

[David Joshua Kuriander](#) / [Steven Feiner](#)

January 1993 Graphical editing by example

**Publisher:** Columbia University


Full text available:  [Pdf](#) (1.46 MB)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 36, Downloads (Overall): 215, Citation Count: 7

Constructing illustrations by computer can be both tedious and difficult. This thesis introduces five example-base techniques to facilitate the process. These techniques are independently useful, but also interrelate in interesting ways: (1) Graphical ...


**Keywords:** computer illustration

**19** [Two-handed virtual manipulation](#)

 [Ken Hinckley](#), [Bandy Pausch](#), [Dennis Proffitt](#), [Neal F. Kassell](#)

September 1998 **Transactions on Computer-Human Interaction (TOCHI)** , Volume 5 Issue 3

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [PDF](#) (1.32 MB)

**Bibliometrics:** Downloads (6 Weeks): 27, Downloads (12 Months): 198, Downloads (Overall): 2687, Citation Count:

We discuss a two-handed user interface designed to support three-dimensional neurosurgical visualization. By its this system is a "point design," an example of an advanced user interface technique. In this work, we argue that order ...


**Keywords:** bimanual asymmetry, haptic input, input devices, three-dimensional interaction, two-handed interac  
virtual manipulation

**20** [The HoloSketch VR sketching system](#)

 [Michael F. Deering](#)

May 1996 **Communications of the ACM** , Volume 39 Issue 5

**Publisher:** ACM  [Request Permissions](#)





Full text available:  [Pdf](#) (500.25 KB)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 28, Downloads (Overall): 615, Citation Count: 12

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